

Amendments to the Claims

This listing of the claims will replace all prior versions, and listings, of claims in the application.

Claims 1-8 (canceled).

9. (new) A method for identifying compounds that inhibit the induction of human cyclooxygenase 2 gene transcription comprising:

(a) contacting a cell comprising a nucleic acid molecule comprising about 1.9 kb of a cyclooxygenase 2 promoter operatively linked to a reporter gene with a test compound in the presence of a stimulator of human cyclooxygenase 2 gene; and

(b) measuring the reporter gene activity,
wherein a reduction in the amount of reporter gene activity in the presence of the test compound as compared to the amount of reporter gene activity in the absence of the test compound indicates that the test compound is a transcriptional inhibitor of the human cyclooxygenase 2 gene.

10. (new) The method of claim 9 wherein the reporter gene is selected from the group consisting of the chloramphenicol acetyl transferase gene, beta galactosidase gene, or luciferase gene.

11. (new) The method of claim 9 wherein the cyclooxygenase 2 promoter is a human promoter.

12. (new) The method of claim 9 wherein the stimulator of the human cyclooxygenase 2 gene is PMA and an ion.